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Five Los Alamos researchers receive 2010 LANL Fellows Prize

Researchers recognized for exemplary science research and leadership

LOS ALAMOS, New Mexico, OCTOBER 19, 2010—The Los Alamos National Laboratory Fellows organization has selected five researchers as recipients of the 2010 Fellows Prizes, which honor exemplary scientific research and leadership. The Fellows organization includes some of the Laboratory's most prominent scientists.

The Fellows awarded two Fellows Prizes for Outstanding Research in Science or Engineering to Sergei Tretiak and Geoffrey S. Waldo, two Fellows Prizes for Outstanding Leadership in Science or Engineering to Kerry Habiger and Clifford Unkefer, and a Fellows Prize for Special Achievement to Tammy P. Taylor. Each prize includes a cash award and recognition by Los Alamos National Laboratory Director Mike Anastasio at a ceremony scheduled for November 30.

The Fellows Prize for Outstanding Research in Science or Engineering commends individuals for exemplary research performed at the Laboratory within the past 10 years that has had a significant effect on a scientific discipline or program. The Fellows Prize selection committee selected Tretiak in part for his development of organic light-emitting diodes for flexible displays, organic lasers, light-harvesting energy devices, and other important technologies. Tretiak has published more than 90 papers in the past 10 years in esteemed scientific journals and is often invited as keynote speaker at international scientific conferences.

Waldo is coauthor of four important articles in *Nature Biotechnology*, beginning in 1999 as first author of "Rapid Protein Folding Assay using Green Fluorescent Protein (GFP)." GFP has since become one of the most important tools in bioscience, and Waldo's work has been integral to securing more than \$50 million in research grants at the Laboratory.

The Fellows Prize for Outstanding Leadership in Science or Engineering commends individuals who stimulate the research interests of talented younger Laboratory staff members and who encourage junior researchers to make the personal sacrifices necessary to become effective leaders. The selection committee chose Habiger for being key to creating the SUMMIT program—a rapid-response engineering organization serving the United States intelligence community. Habiger has expanded the program from a \$200,000-a-year endeavor in 1998 to its current sustained annual value of \$40 million a year during the past five years. The program involves hundreds of Los Alamos scientists, engineers, technicians, and support staff.

Unkefer is leader of the newly formed Bioenergy and Environmental Science Group at the Laboratory and also serves as director of the National Stable Isotope Resource funded by the National Institutes of Health (NIH). The selection committee cited the repeated praise Unkefer has received for taking a genuine interest in, and directly assisting, the career development of students, postdocs, and staff. A generous collaborator and mentor, Unkefer has more than 80 publications in scientific journals, has developed 15 patents, and has emerged as a leader in efforts to promote LANL's prominence in transportation and biofuels research.

In addition to the two traditional prize categories, the Fellows Prize selection committee this year found it fitting to award the Fellows Prize for Special Achievement to Taylor, who led the Nuclear Defense Research and Development Subcommittee of the National Science and Technology Council.

In 2008, this subcommittee issued a "Roadmap" for fiscal years 2010-2014 that is now being used by the U.S. Department of Homeland Security to prioritize tasks in nuclear materials detection, forensics, and response and recovery. Taylor's work on the Roadmap was recognized by Tara O'Toole, DHS Undersecretary for Science and Technology.

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Los Alamos Neutron Science Center gets capacity boost

Contacts: James E. Rickman, (505) 665-9203, jamesr@lanl.gov

LOS ALAMOS, New Mexico, December 2, 2010—The Los Alamos Site Office and Los Alamos National Security, LLC have agreed to allocate money LANS could have earned from its prime contract fee to upgrade a facility serving industrial designers and researchers at the Los Alamos Neutron Science Center that helps ensure the reliability of semiconductor chips.

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Fast Facts

Read about Los Alamos National Laboratory: **Fact Sheets**

People

11,782 total employees
Los Alamos National Security, LLC 9,665
SOC Los Alamos (Guard Force) 477
Contractors 524
Students 1,116

Place

Located 35 miles northwest of Santa Fe, New Mexico, on 36 square miles of DOE-owned property.

More than 2,000 individual facilities, including 47 technical areas with 8 million square feet under roof.

Operating costs FY 2010: about \$2 billion
51% NNSA weapons programs
8% Nonproliferation programs
6% Safeguards and Security
11% Environmental Management
4% DOE Office of Science
5% Energy and other programs
15% Work for Others

Workforce Demographics (*LANS and students only*)

42% of employees live in Los Alamos, the remainder commute from Santa Fe, Española, Taos, and Albuquerque.

Average Age: 45
67% male, 33% female
44% minorities
65% university degrees
25% hold undergraduate degrees
17% hold master's degrees
23% have earned a Ph.D.

Major Awards

The Laboratory Fellows organization was established in 1981 and is made up of technical staff members who have been appointed by the Lab director to the rank of Fellow in recognition of sustained outstanding contributions and exceptional promise for continued professional achievement. The Fellows are limited to 2 percent of the technical staff, who, by charter, may not be members of the Laboratory management.

The Fellows advise LANL management on technical issues of importance to the Laboratory. To promote technical achievements, the Fellows organize symposia and public lectures and administer the Fellows Prize for Outstanding Research in Science or Engineering and the Fellows Prize for Outstanding Leadership in Science or Engineering.

About Los Alamos National Laboratory

Los Alamos National Laboratory, a multidisciplinary research institution engaged in strategic science on behalf of national security, is operated by Los Alamos National Security, LLC, a team composed of Bechtel National, the University of California, The Babcock & Wilcox Company, and URS for the Department of Energy's National Nuclear Security Administration.

Los Alamos enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile, developing technologies to reduce threats from weapons of mass destruction, and solving problems related to energy, environment, infrastructure, health, and global security concerns.

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Major Awards
118 R&D100 awards since 1978
28 E.O. Lawrence Awards
The Seaborg Medal
The Edward Teller Medal

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1663 Science and Technology Magazine	Research Library	Benefits	STIMULUS FUNDS	VISITING	Science Opportunities (K-12)	Compliance and Monitoring
Actinide Research Quarterly	Science, Technology, Engineering	Jobs	Business Opportunities	Bradbury Science Museum	Students & Educators	Environmental Risk Reduction
Connections	Strategic Science	Human Resources	Environmental Projects	Maps		Fire
Nuclear Weapons Journal	Global Security	Required Training	Grant Proposals	Security Checkpoints		Protecting Cultural Resources
Why Magazine (pdf)	Weapons Program	Retirement	Communications Center	Visitor Guide		Waste Management
		Working at Los Alamos	TECH TRANSFER			Water
		HEALTH, SAFETY	Industry Partnerships			
		Center of Excellence for Electrical Safety	Intellectual Property			
		Institutional Biosafety Committee	Licensable Technologies			
			Technology Transfer			

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Nuclear Weapons Journal	Global Security	Required Training	Grant Proposals	Security Checkpoints		Protecting Cultural Resources
Why Magazine (pdf)	Weapons Program	Retirement	Communications Center	Visitor Guide		Waste Management
		Working at Los Alamos	TECH TRANSFER			Water
		HEALTH, SAFETY	Industry Partnerships			
		Center of Excellence for Electrical Safety	Intellectual Property			
		Institutional Biosafety Committee	Licensable			